

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference NdP 88571	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/EP2004/010459	International filing date (day/month/year) 15/09/2004	(Earliest) Priority Date (day/month/year) 18/09/2003
Applicant NUOVO PIGNONE HOLDING S.P.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.



2. Certain claims were found unsearchable (See Box II).



3. Unity of invention is lacking (see Box III).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 2



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010459

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16J15/34 F04D29/58 F04D29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16J F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2 223 519 A (HANNS HORNSCHUCH) 3 December 1940 (1940-12-03) page 1, line 26 - page 2, line 12; figure 3	1-6
A	DE 641 288 C (IG FARBENINDUSTRIE AG) 26 January 1937 (1937-01-26) page 1, line 38 - page 2, line 9; figure 1	1-4
Y	WO 97/01053 A (AL HIMYARY THAIR J ; CARLSON JONATHAN D (CA); REVOLVE TECHNOLOGIES INC) 9 January 1997 (1997-01-09) page 1, line 12 - page 3, line 22; figure 1	1-6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

2 December 2004

Date of mailing of the International search report

21/12/2004

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 162 103 A (WISSENSCHAFTLICH-TECHNISCHES ZENTRUM PUMPEN UND VERDICHTER) 20 August 1969 (1969-08-20) page 2, line 28 - line 57; figure 1 -----	1,6
A	US 3 746 350 A (MAYER E ET AL) 17 July 1973 (1973-07-17) column 3, line 33 - line 45; figure 3 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010459

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2223519	A	03-12-1940	NONE	
DE 641288	C	26-01-1937	NONE	
WO 9701053	A	09-01-1997	AU 1192897 A CA 2196901 A1 WO 9701053 A1 US 6345954 B1	22-01-1997 09-01-1997 09-01-1997 12-02-2002
GB 1162103	A	20-08-1969	NONE	
US 3746350	A	17-07-1973	DE 1913397 A1 CH 489732 A FR 2037367 A5 GB 1282915 A	24-09-1970 30-04-1970 31-12-1970 26-07-1972